D-Link®

Quick Install Guide

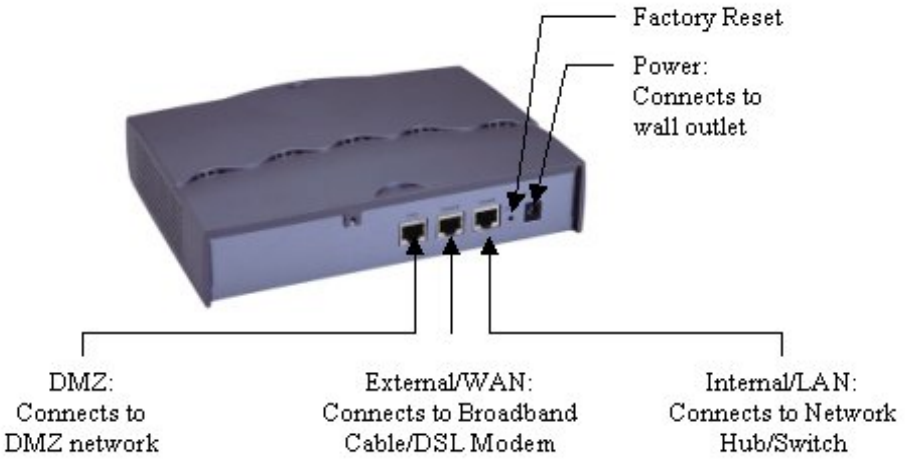
DFL-300
Office Firewall

1 Review Package Contents

Make sure that the package contains the following items. If any items are missing, contact the reseller.

- DFL-300 Firewall
- Manual
- Quick Install Guide
- AC Power Adapter

2 Connecting the DFL-300



2 Connecting the DFL-300 *continued…*

To setup the DFL-300, begin by connecting the AC adapter to a power source. The Power LED on the front of the DFL-300 should now be on.

Connect one end of the Ethernet cable to the Internal/LAN port of the DFL-300 and the other end of the cable into a hub or switch on your network. If the cable connection is good, a green LED on the front of the DFL-300 should come on for Internal Link.

Now with another Ethernet cable, connect one end to the External/WAN port of the DFL-300 and the other end to your Broadband modem. The External Link LED on the front should now also come on.

3 Setting Up the Computer

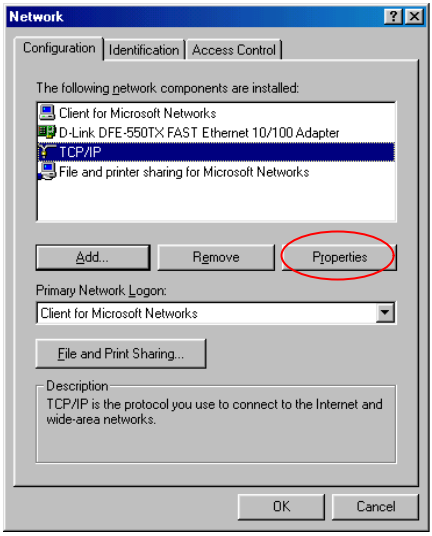
By default, the DFL-300 firewall is a DHCP Server. You can set your computer to obtain an IP address. Follow the below steps to do so. If you prefer, you can set your computer up with a static IP address in the range of 192.168.1.2 ~ 192.168.1.254.

Right-Click the **Network Neighborhood** (Win 98/98SE) or **My Network Places** (Win ME/2K/XP) icon on your desktop.

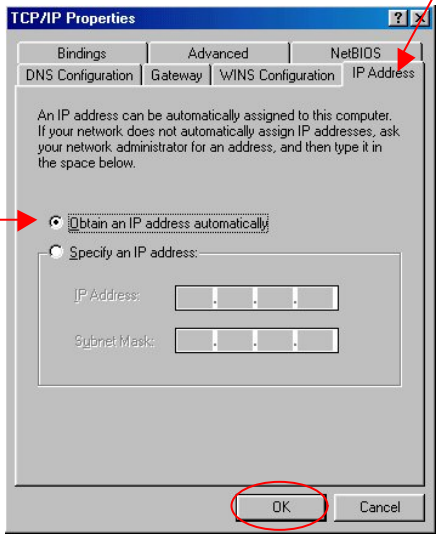
Select properties

Setting Up the Computer *continued…*

Highlight the **TCP/IP** setting for the installed Ethernet Network Adapter.
Click Properties



At this screen, select the IP address tab. Select Obtain an IP Address Automatically.
Click OK



If you are prompted to restart your computer, please do so. When the computer restarts, it will automatically receive an IP address from the DFL-300 firewall.

Configuring the DFL-300

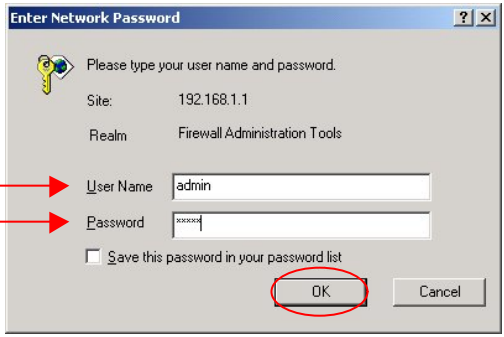
Note: The DFL-300 requires Internet Explorer 4.0 or higher, or Netscape Communicator 4.0 or higher.

Please open your Web Browser and enter this URL:

http://192.168.1.1

This will launch the DFL-300's integrated web-based management system.

This **Enter Network Password** pop-up screen will appear. The default User Name is **admin** and the default Password is also **admin**. Click **OK**

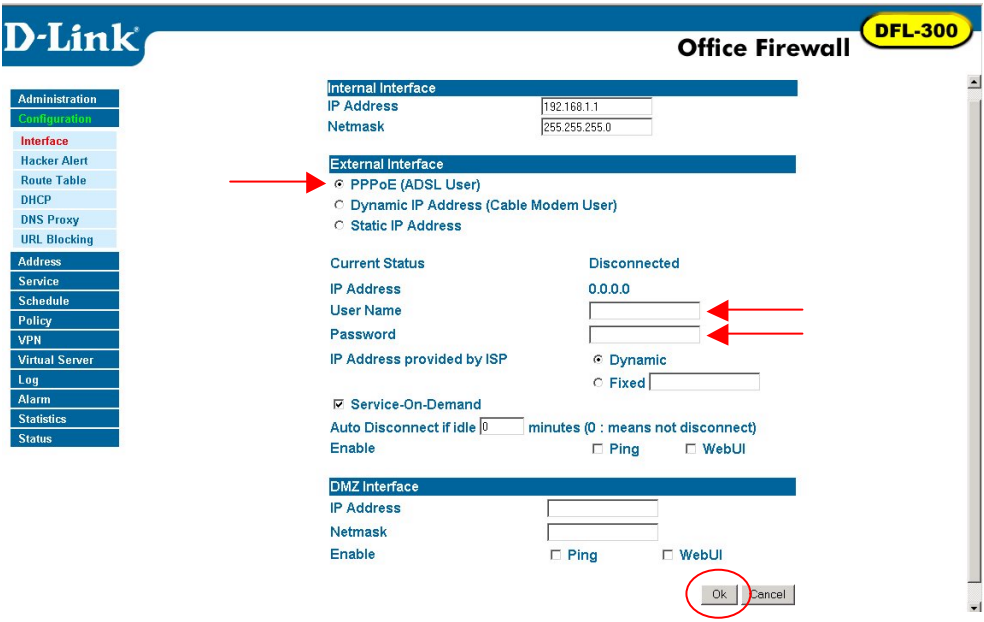


Once the D-Link DFL-300 screen appears, click **Configuration** on the left side menu. Then click **Interface** below it. (See left)

You will now need to choose the External Interface option that your Broadband connection uses.

Configuring the DFL-300 *continued…*

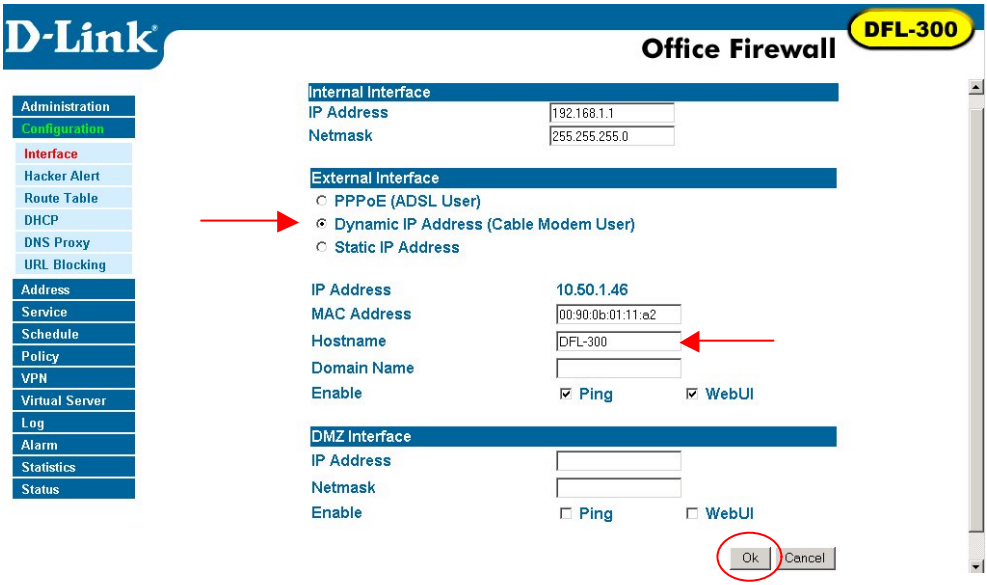
If your ISP requires you to enter a username/password for a PPPoE connection, choose **PPPoE (ADSL User)**



Fill in your PPPoE username and password provided by your ISP. Click **Ok** at the bottom when done.

Configuring the DFL-300 *continued…*

If your ISP assigns you a dynamic IP address, choose **Dynamic IP Address (Cable Modem User)**

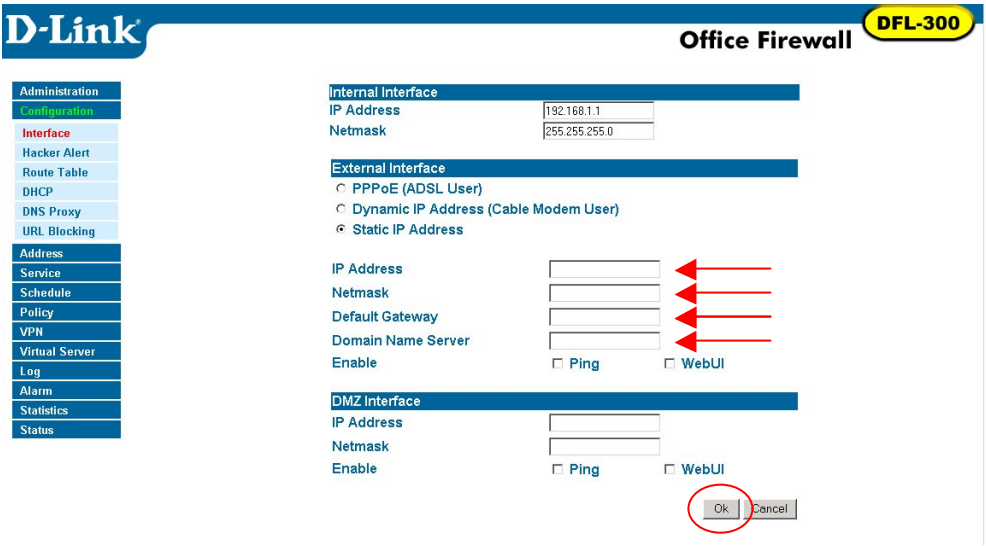


Fill in the Hostname if provided by your ISP.

Click **Ok** at the bottom when done.

Configuring the DFL-300 *continued…*

If your ISP assigns you a static IP address, choose **Static IP Address**



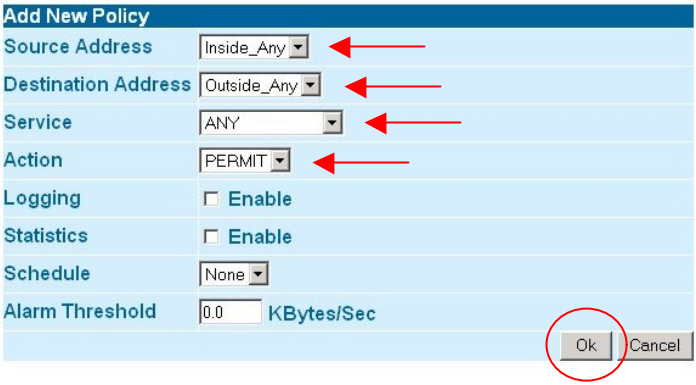
Fill in the static IP information provided by your ISP. Click **Ok** at the bottom when done.

Now set up the Outgoing Policy. Click on **Policy** on the left menu. Then click **Outgoing** below it.

Configuring the DFL-300 *continued…*

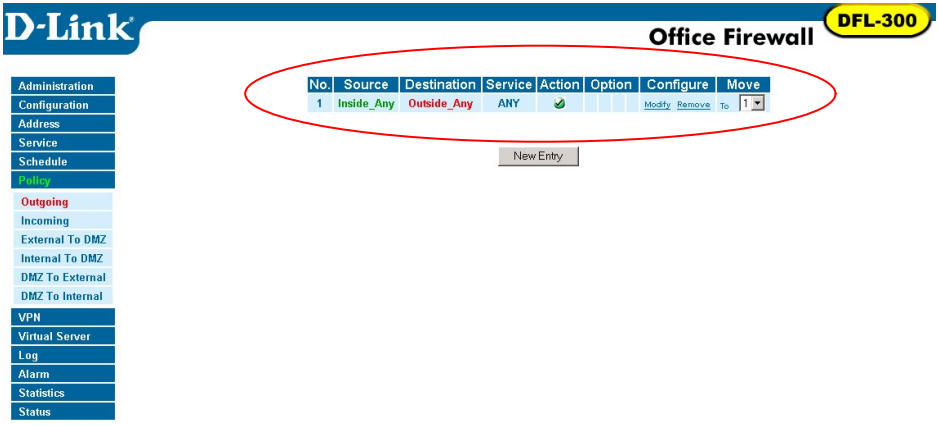
Click on **New Entry** and enter the following:

Source Address:
Inside_Any
Destination Address:
Outside_Any
Service: Any
Action: Permit



Click **Ok**

There should now be an Outgoing Policy created. This policy will allow all computers in the Internal network to access the Internet.



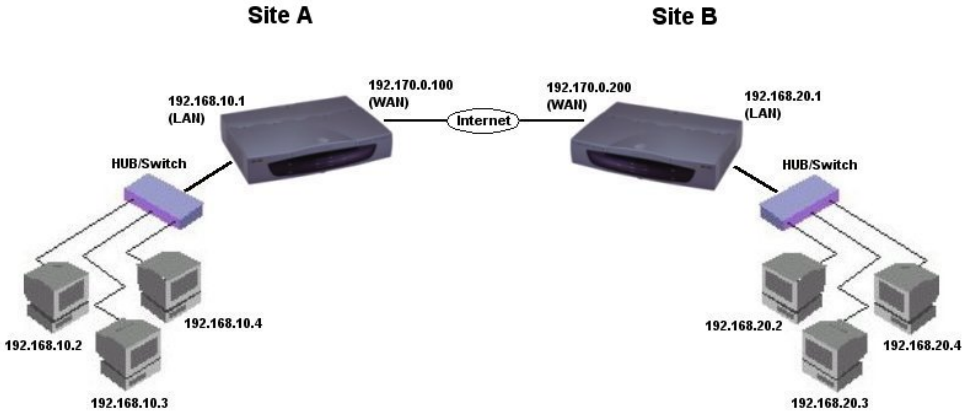
Note: You do not need to manually restart the DFL-300 Firewall. The changes will take place immediately once you click **Ok**. Once you are finished with the installation, you should be able to access the Internet.

Appendix

Creating a VPN IPSec Tunnel

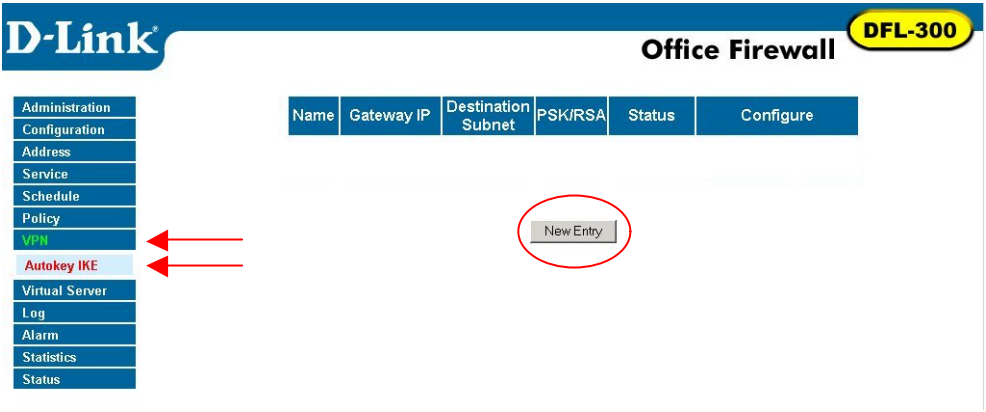
This example will demonstrate how to create a Virtual Private Network (VPN) between two remote locations through the Internet. The VPN policy will use IPSec to securely send/receive encrypted data over the Internet. This example will consist of two DFL-300 Office Firewalls with a simple setup to enable VPN.

The two remote locations in this example will be call Site A and Site B. Both firewalls must already be set up and able to access each other.



Please note the differences in the IP addresses for each site.

We will begin by configuring the DFL-300 at Site A . Start by going into the web configuration. Once in, go to the **VPN** menu. You should now be under **VPN>Autokey IKE**.



Click **New Entry**

Please fill in the appropriate information for Site A.

Name: Site_A

From Source: Internal

Subnet/Mask: 192.168.10.0/255.255.255.0

Remote Gateway – Fixed IP: 192.170.0.200

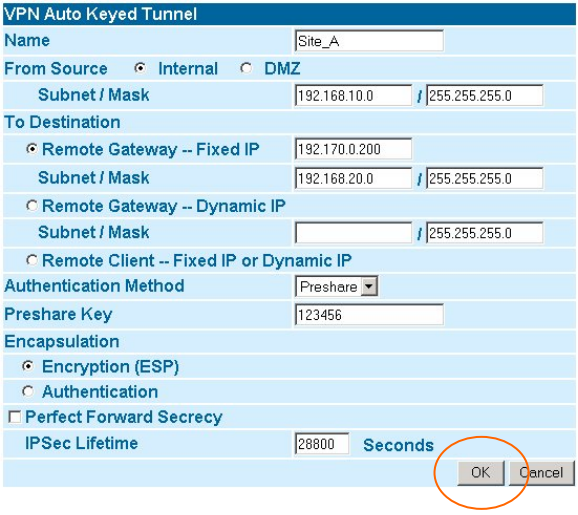
Subnet/Mask: 192.168.20.0/255.255.255.0

Authentication Method: Preshare

Preshare Key: 123456

Encapsulation: Encryption (ESP)

Click **OK**

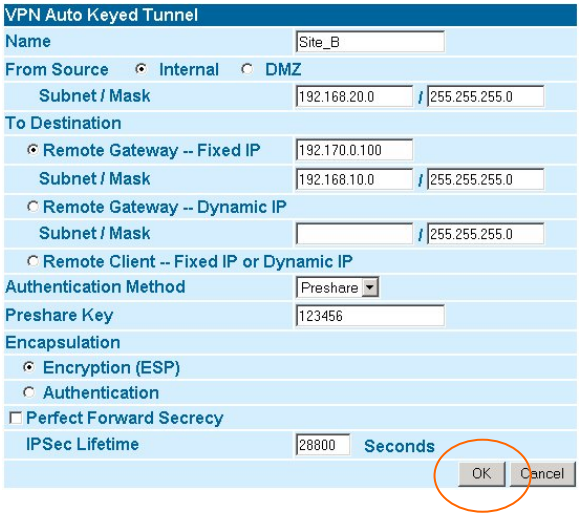


Note: 123456 is an example of a preshare key, please fill in any secret preshare key you desire. Keep in mind that both sites require the same preshare key.

There should now be a VPN Policy created for Site A.

Site A is now complete, we will now configure Site B with the other DFL-300. Follow the same steps previously with Site A to create a VPN policy. Please change the appropriate IP information.

Name: Site_B
From Source: Internal
Subnet/Mask:
192.168.20.0/255.255.255.0
Remote Gateway – Fixed IP:
192.170.0.100
Subnet/Mask:
192.168.10.0/255.255.255.0
Authentication Method:
Preshare
Preshare Key: 123456
Encapsulation: Encryption (ESP)
Click **OK**



There should now be a VPN policy created for Site B.

After the VPN policies have been created for the two remote locations, click **Connect** at both Sites to enable the VPN policy. The two remote locations will authenticate and the VPN status should now say **Connected**. Congratulations, you have created a simple IPSec VPN tunnel. Site A and Site B should now be able to communicate with each other securely over the Internet. All IP traffic from the two Sites are now encrypted strongly with 168-bit 3DES encryption.

Technical Support

D-Link provides free technical support for customers within the United States during the warranty period. U.S. customers can contact D-Link Technical Support through our web site, by e-mail or by phone.

D-Link Technical Support over Telephone:
(949) 790-5290
6 a.m. to 6 p.m. Monday thru Friday

D-Link Technical Support over the Internet:
www.dlink.com

If you are a customer residing outside of the United States, please refer to the list of D-Link locations that is included in the User's Manual.

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